



2-4-04

PTO/SB/21 (08-03)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/708001	
	Filing Date	31 January 2004	
	First Named Inventor	Ju Young Kim	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	5++	Attorney Docket Number	KIM-001USP

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<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks 1. Certified copy of priority document, Korean application KR20030064186, and english translation of same. 2. Supplemental IDS with non-US patent references (4 pgs) and copies of references.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Patricia Smith King
Signature	<i>Patricia Smith King</i>
Date	2 February 2004

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. EXPRESS MAIL NO. ER140767473US	
Typed or printed name	Patricia Smith King
Signature	<i>Patricia Smith King</i>
Date	02 Feb. 2004

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Application Number	10/708001
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First Named Inventor	Ju Young Kim
Art Unit	
Examiner Name	
Attorney Docket Number	KIM-001USP

Sheet	1	of	4
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	1	DT 24 27 425 A1	06-09-1973	Yuken		
	2	DT 27 08 974 A1	03-04-1976	Dev Finance Crp		
	3	DD 270 704 A1	04-18-1988	Akad Wiss DDR		
	4	DD 286 805 A5	08-11-1989	VEB Funka Kopen		
	5	J5 7019 -98	07-07-1980	Ebara Infilco		
	6	JP363023934A	02-01-1988	Toyo Roshi		

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Application Number	10/708001
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Examiner Name	
Attorney Docket Number	KIM-001USP

U. S. PATENT DOCUMENTS

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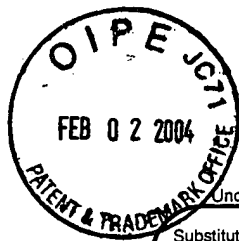
FOREIGN PATENT DOCUMENTS						
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	7	JO 3114 587 A	05-15-1991	Nishihara		
	8	JA 0115543	09-08-1979	Hitachi		
	9	JA 0084355	07-25-1978	Daido Seiko		
	10	JO 3008-495-A	01-16-1991	Kanatsu Giken		

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Attorney Docket Number	KIM-001USP

Sheet	3	of	4
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	UNNITHAN et al., Ability of Iron (III)-loaded carboxylated polyacrylamide-grafted sawdust to remove phosphate ions from aqueous solution and fertilizer industry wastewater: adsorption kinetics and isotherm studies. J. Applied Polymer Science, Vol. 84, 2541-2553 (2002).	
	12	WIGGINTON and LENHART, Using iron-infused media and stormfilter technology for the removal of dissolved phosphorus from stormwater discharges. Unpublished manuscript.	
	13	STORMWATER INC. brochure entitled, Storm Filter.	
	14	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 1. preparation method and adsorption capability of a new adsorbent. Ind. Eng. Chem. Res. 1991, 30:1893-1896.	
	15	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 3. Desorption of phosphate and regeneration of adsorbent. Ind. Eng. Chem. Res. 1992, 31:1510-1513.	
	16	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 4. Recovery of phosphate and aluminum from desorbing solution. Ind. Eng. Chem. Res. 1992, 31:1513-1515.	
	17	BAKER et al., Laboratory development of permeable reactive mixtures for the removal of phosphorus from onsite wastewater disposal systems. Environ. Sci. Technol. 1998 32: 2308-2316.	
	18	MUNOZ et al., Arsenic adsorption by Fe(III)-loaded open-celled cellulose sponges. Thermodynamic and selectivity aspects. Environ. Sci. Technol. 2002 36:3405-3411.	
	19	SUVASIS et al., Coparison of arsenic (V) and arsenic (III) sorption onto iron oxide minerals: implications for arsenic mobility. Environ. Sci. Technol. 2003, 37: 4182-4189.	
	20	MYERS et al., Iron oxide sink method for extracting soil phosphorus: paper preparation and use. Soil Sci. Soc. Am. J. 61: 1400-1407 (1997).	

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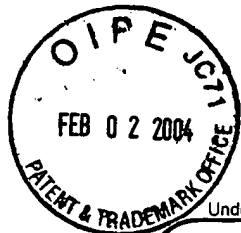
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Sheet	4	of	4
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	21	URANO et al., Process development for removal and recovery of phosphorus from wastewater by a new adsorbent. 1. preparation method and adsorption capability of a new adsorbent. Ind. Eng. Chem. Res. 1991, 30: 1893-1896.	
	22	DEAE-DEXTRAN, data file from Amersham Biosciences. df 18-1151-76 AA, 2001-11, pp 1-4.	

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